

**BANGALORE ELECTRICITY SUPPLY COMPANY
LIMITED**



SECTION- IX

VOLUME-II

Bill of Quantities (BOQ)

PART-I SUPPLY PORTION				
SL No	Particulars	Unit	Total Qty	Material Code
1	Supply & Erection of PSCC pole 9 mtr long 300 kg W/L (for dead end and anchor points only)	No	7	200005
2	Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)	No	30	200006
3	Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI	set	45	CDS materials for General works
4	Supply & Providing of 45KN Composite polymer insulators.	No	54	283320
5	Supply & Providing of 11kV Composite Polymer pins insulators.(24mm dia FRP rod)	No	132	283008
6	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	26	CDS materials for General works
7	Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCOM Specification	Km	13.1078	284108
8	Supply & Providing of Spiral Earth Electrode	No	81	281683
9	Supply & erection of DP set (2 pole structure kit- GI) with 9 mtr PSCC, 300 KG W/L including 5Kg , 8SWG GI wire for structure grounding.	set	2	CDS 46
10	Supply & providing of 11kV class 200 AMPS Single Break GOS	Set	10	304212
11	Supply & providing of H - Frame Set for 11kV, 200Amps Single Break GOS Mounting - GI	Set	2	280149
12	Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17	No	8	613050
13	Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCOM/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories)	No	24	281674+600 095+607054 , CDS 60
14	Supply & providing of GI wire 8SWG	kg	40	281008
15	Supply & providing of Guy wire 7/10SWG	kg	80	281110
16	Supply & providing of 11kV lightning arrestors, polymer Type,9kV 5 kA (Set=3No)	Set	8	303202, CDS 60
17	Supply & providing of LT Protection kit	No	6.75	301107
18	Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)	Set	8	302122
19	supply & providing Transparent Alkathine tube 19mm dia, 2mm thick in coils of 30 mtrs	Coil	4.5	821900
20	Supply & Erection of 9M PSCC pole WL 300Kg	No	8	200005

21	Supply & Erection of Single Pole Mounted Transformer kit for 25 kVA on 9 mtr PSCC Poles of 300kg WL --GI with H-frame	Set	8	280119, CDS materials for General works
22	Supply & Erection of 11kV/433V, 25 kVA, 3phase 50cys Distribution Transformer BEE-4star rated	No	8	321437
23	Supply & providing of LT wiring (from 25 KVA DTC to LT line)		0	
a	Aluminium lead wire 50 sqmm	Mtr	170	289031
b	Heavy duty long barrel copper lugs- 50 sqmm	No	35	288531
c	P.G Clamps - Rabbit to 50 sq.mm	No	32	285508, CDS 63
d	Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	0	280800+280 511, CDS 63
e	Spacers for DTC wiring	No	32	284503
f	LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	0	CDS 39
24	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No	31	200004
25	LT 4 Pin Cross Arm with clamps, bolts, nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI	Set	43	280014, CDS materials for General works
26	LT 2 Pin Cross Arm with clamps, bolts, nuts for PSCC Pole - 8 Mtr Long, 200 Kg WL- GI	Set	0	280012, CDS materials for General works
27	1.1 kV Pin Insulator with GI Pin	No	96	283053, CDS 5
28	No. 8 Strain Insulator	No	64	283158
29	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Set	16	CDS materials for General works
30	Guy concreting with Boulders, Mud and Sand	No	12	0
31	1.1kV Class 3 Phase Aerial Bunched Cable of size 3x95+1x16+1x70 Sq. mm	KMs	0.56	CDS 37
32	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No's	13	200004
33	Three Phase Distribution box for 6 Connections	No's	5	CDS 37
34	Piercing connector suitable for 16 Sq. mm - 95 Sq. mm AB Cable - Service Connections	No's	20	CDS 37
35	Suspension Clamp Assembly 16 to 70 mm (Excluding pole clamp & Eye Hook)	Sets	13	CDS 37
36	Pole clamp for HT/LT AB cable	Sets	17	CDS 37
37	Eye Hook (Flat type) for fixing Clamps	Sets	17	CDS 37
38	Dead End Clamp/Anchor Clamp Assembly 25 to 95 Sq mm (excluding pole clamps and Eye hook)	Sets	4	CDS 37
39	Universal Hook, Bolts & nuts	No's	13	CDS 37
40	Cable Straight thru' joint kits suitable for 95 Sqmm	Sets	2	CDS 37
41	Pre-Insulated lugs-CPTAU for 95 Sqmm	No's	8	CDS 37
42	End cap for 50/70 Sqmm	No's	8	CDS 37

43	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Sets	4	CDS 37
-----------	--	------	----------	---------------

PART-II ERECTION PORTION			
SL No	Particulars	Unit	Total Qty
1	Supply & Erection of PSCC pole 9 mtr long 300 kg W/L (for dead end and anchor points only)	No	7
2	Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)	No	30
3	Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI	set	45
4	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	26
5	Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCO Specification	Km	13.1078
6	Supply & Providing of Spiral Earth Electrode	No	81
7	Supply & erection of DP set (2 pole structure kit- GI) with 9 mtr PSCC, 300 KG W/L including 5Kg , 8SWG GI wire for structure grounding.	set	2
8	Supply & providing of 11kV class 200 AMPS Single Break GOS	Set	10
9	Supply & providing of H - Frame Set for 11kV, 200Amps Single Break GOS Mounting - GI	Set	2
10	Supply & providing of caution/Danger board as per drawing no.BESCO/GM/CP/40/24.10.17	No	8
11	Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCO/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories)	No	24
12	Supply & providing of 11kV lightning arrestors, polyimide Type,9kV 5 kA (Set=3No)	Set	8
13	Supply & providing of LT Protection kit	No	6.75
14	Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)	Set	8
15	Supply & Erection of 9M PSCC pole WL 300Kg	No	8
16	Supply & Erection of Single Pole Mounted Transformer kit for 25 kVA on 9 mtr PSCC Poles of 300kg WL --GI with H-frame	Set	8
17	Supply & Erection of 11kV/433V, 25 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	8

18	Supply & providing of LT wiring (from 25 KVA DTC to LT line)		0
a	Aluminium lead wire 50 sqmm	Mtr	170
b	Heavy duty long barrel copper lugs- 50 sqmm	No	35
c	P.G Clamps - Rabbit to 50 sq.mm	No	32
d	Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	0
e	Spacers for DTC wiring	No	32
f	LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	0
19	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No	31
20	LT 4 Pin Cross Arm with clamps, bolts, nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI	Set	43
21	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Set	16
22	Guy concreting with Boulders, Mud and Sand	No	12
23	1.1kV Class 3 Phase Aerial Bunched Cable of size 3x95+1x16+1x70 Sq. mm	KMs	0.56
24	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No's	13
25	Three Phase Distribution box for 6 Connections	No's	5
26	Piercing connector suitable for 16 Sq. mm - 95 Sq. mm AB Cable - Service Connections	No's	20
27	Suspension Clamp Assembly 16 to 70 mm (Excluding pole clamp & Eye Hook)	Sets	13
28	Pole clamp for HT/LT AB cable	Sets	17
29	Dead End Clamp/Anchor Clamp Assembly 25 to 95 Sq mm (excluding pole clamps and Eye hook)	Sets	4
30	Universal Hook, Bolts & nuts	No's	13
31	Cable Straight thru' joint kits suitable for 95 Sqmm	Sets	2
32	Pre-Insulated lugs-CPTAU for 95 Sqmm	No's	8
33	End cap for 50/70 Sqmm	No's	8
34	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Sets	4
35	Guy Concreting with Mud, Boulders & Sand	Sets	4

